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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of JIANG et al.

S/N: To be assigned

Filed: Contemporaneous herewith

For: "Monolith Based Catalytic Partial Oxidation Process

for Syngas Production"

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT (37 CFR 1.97)

The Examiner's attention is directed to the documents identified on the attached Form PTO-1449, "Information Disclosure Statement by Applicant." A copy of each document is enclosed.

Please consider all the listed documents and list them on the cover sheet of any patents to issue from the subject application.

The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application other than a Continued Prosecution Application under Section 1.53(d) or within three months of the date of entry of the National Phase of an international application or before the mailing of a first Office Action on the merits or before the mailing of a first Office Action after the filing of a Request for Continued Examination under Section 1.114.

In accordance with 37 CFR 1.97(b), no additional fee is due. As a precaution, the Commissioner is hereby authorized to charge to Deposit Account No. 02-2865 any fee required by this submission.

Date: SEPTEMBER 8, 2003
The BOC Group, Inc.

Legal Services - Intellectual Property

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Attorney for Applicant(s)

Group No.: n/a

Examiner: n/a

Atty. Dkt.: M03A224

Keg. No. 34,942 (908) 771-6402

Attachments Form PTO-1449 Cited References

PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT						First Named Inventor	JIANG et al.	
						Art Unit		
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She	et	I	of		2	Attorney Docket Number	M03A224	

			U. S. PATENT	T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (* known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	^{US-} 4 492 769	01-08-1985	Blanchard et al.	
	2	^{US-} 4 680 282	07-14-1987	Blanchard et al.	
-	3	^{US-} 5 013 705	05-07-1991	Koberstein et al.	
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Examiner initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ^{3 -} Number ^{4 -} Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T°
	20	EP 1 134 188 A2	09-19-2001	The BOC Group		
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	STATEMENT BY APPLICANT	Art Unit			
	(Use as many sheets as necessary)	Examiner Name			
$\overline{}$	Sheet 2 of 2	Attorney Docket Number	M03A224		

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Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T
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	43	WO 98/35908	08-20-98	Jacobs		

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Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	Γ
Initials*	No. ¹	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	SINTERED CERIA: A NEW DENSE AND FINE GRAINED CERAMIC MATERIAL by J.F. Baumard, C. Gault and A. Argoitia; Journal of the Less-Common Metals, 127 (1987) 125-130	
	2	"A Comparative Study of Oxygen Storage Capacity Over Ce _{0.6} Zr _{0.4} 0 ₂ Mixed Oxides Investigated by Temperature-Programmed	
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	3	"Effect of Ceria Structure on Oxygen Migration for Rh/Ceria Catalysts," by Cordatos et al., J. Phys. Chem., 100, 785-789 (1996)	
	4	"Tape Cast Solid Oxide Fuel Cells for the Direct Oxidation of Hydrocarbons," Park et al., Journal of the Electrochemical Society, 148 (5), pp. A443-A447 (2002)	
	5	"Catalytic Partial Oxidation of Methane to Synthesis Gas Over Ni-CeO2," Zhu et al., Applied Catalysis A: General 208, pp. 403-417 (2001)	
	6	"Catalytic Partial-Oxidation of Methane on a Ceria-Supported Platinum Catalyst for Application in Fuel Cell Electric Vehicles," Pino et al., Applied Catalysis A: General 225,	
		pp. 63-75 (2002)	
	7	K. Otsuka, T. Ushiyama and I. Yamanaka, "Partial Oxidation of Methane Using the Redox of Cerium Oxide," CHEMISTRY LETTERS, pp. 1517-1520, 1993	
	8	E.S. Putna, J. Stubenrauch, J.M. Vohs, and R. J. Gorte, "Ceria-Based Anodes for the Direct Oxidation of Methane in Solid Oxide Fuel Cells," LANGMUIR, Vol. 11, No. 12, 1995,	

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